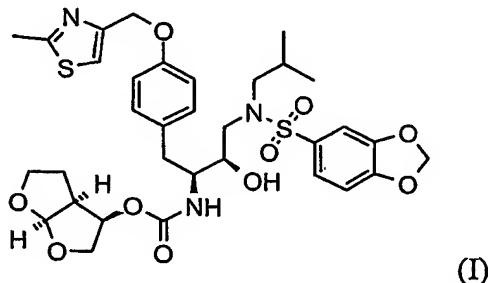


Claims

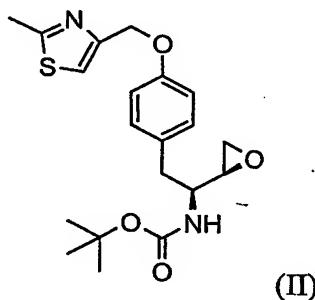
1. A process for the preparation of a compound of formula (I)



(I)

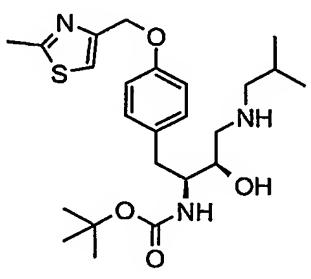
5 comprising :

(a) treating a compound of formula (II)



(II)

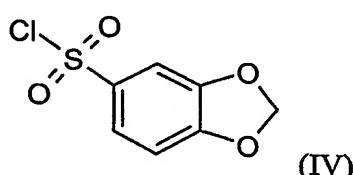
with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)



(III)

10

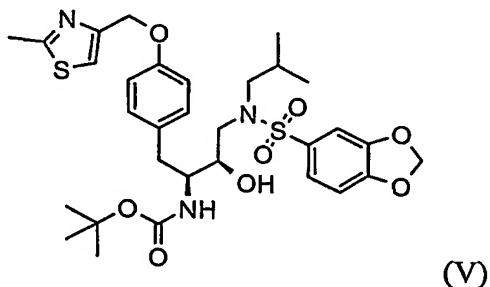
(b) treating a compound of formula (III) with a compound of formula (IV)



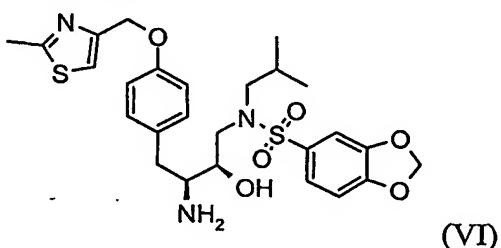
(IV)

15

in the presence of an aqueous base to form a compound of formula (V)

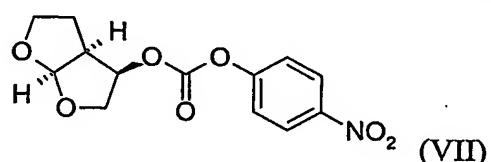


(c) deprotecting a compound of formula (V) to form a compound of formula (VI)



5

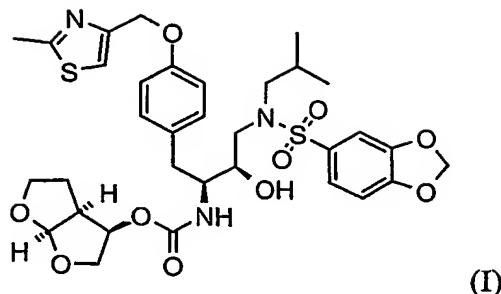
(d) coupling a compound of formula (VI) with a compound of formula (VII)



10 to yield a compound of formula (I).

2. A process for the preparation of a compound of formula (I) comprising steps (a), (b), (c) and (d) according to claim 1 wherein steps (a) and (b) are combined in a one-pot reaction to yield a compound of formula (V) which is isolated and in which steps (c) and (d) are 15 combined in a one-pot reaction to yield a compound of formula (I).

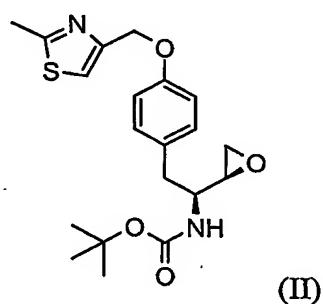
3. A process for the preparation of a compound of formula (I)



(I)

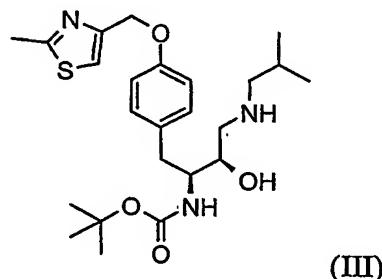
comprising :

(a) treating a compound of formula (II)



(II)

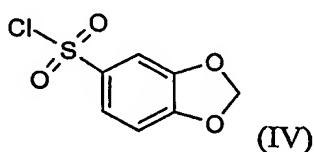
5 with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III);



(III)

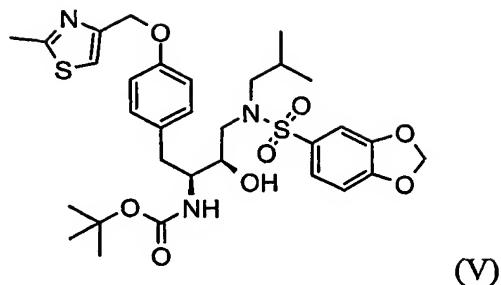
(b) treating a compound of formula (III) with a compound of formula (IV)

10



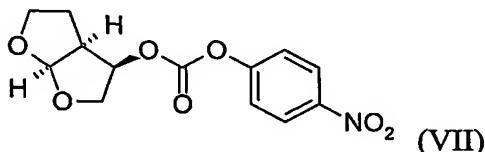
(IV)

in the presence of an aqueous base to form a compound of formula (V)



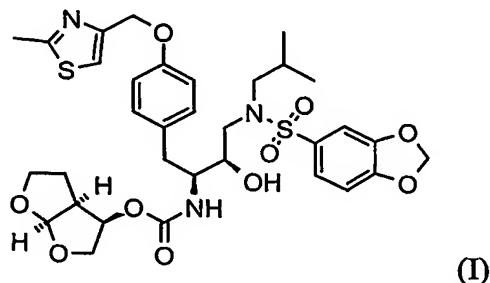
(V)

(c) deprotecting a compound of formula (V) and coupling with a compound of formula (VII)



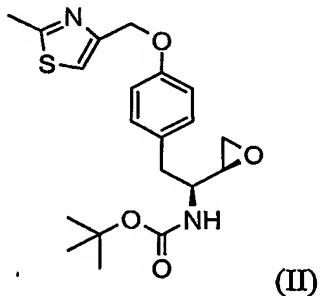
5 to form a compound of formula (I).

4. A process for the preparation of a compound of formula (I)



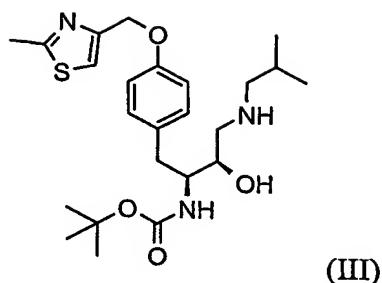
comprising :

(a) treating a compound of formula (II)

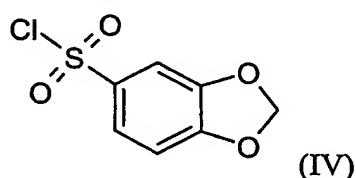


10

with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)

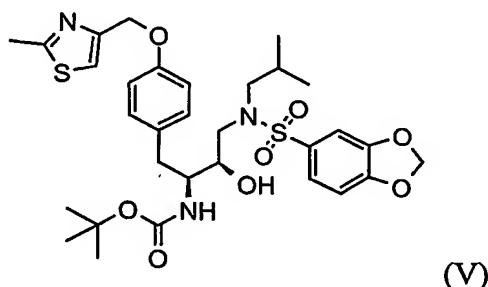


(b) treating a compound of formula (III) with a compound of formula (IV)

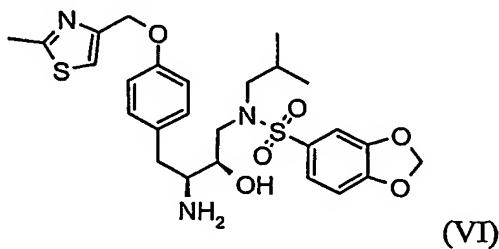


5

in the presence of an aqueous base to form a compound of formula (V)

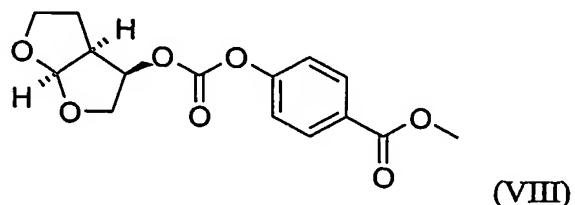


(c) deprotecting a compound of formula (V) to form a compound of formula (VI)



10

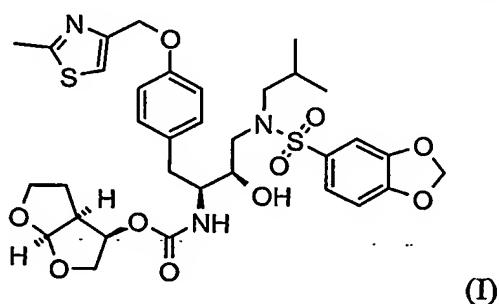
(d) coupling a compound of formula (VI) with a compound of formula (VIII)



to yield a compound of formula (I).

5. A process for the preparation of a compound of formula (I) comprising steps (a), (b), (c) and (d) according to claim 4 wherein steps (a) and (b) are combined in a one-pot reaction to
 5 yield a compound of formula (V) which is isolated and in which steps (c) and (d) are combined in a one-pot reaction to yield a compound of formula (I).

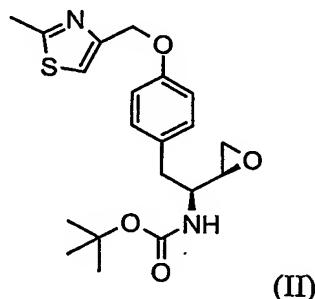
6. A process for the preparation of a compound of formula (I)



(I)

10 comprising :

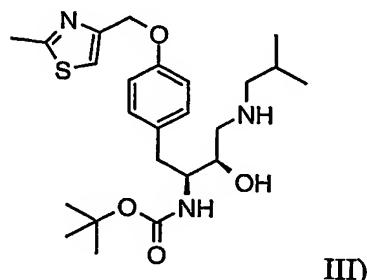
(a) treating a compound of formula (II)



(II)

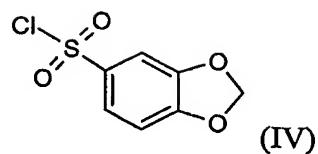
with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)

15

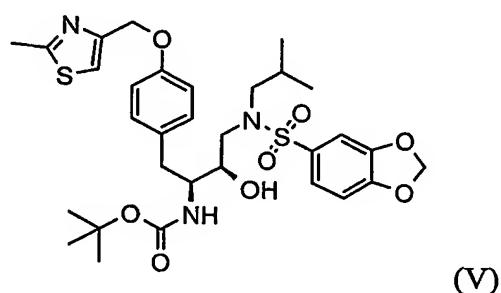


(III)

(b) treating a compound of formula (III) with a compound of formula (IV)

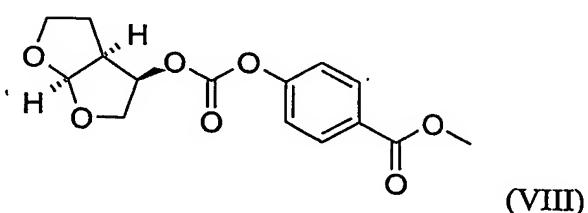


in the presence of an aqueous base to form a compound of formula (V)



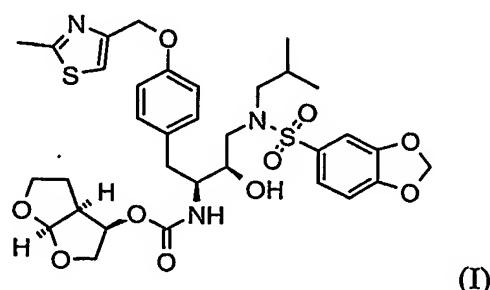
5

(c) deprotecting a compound of formula (V) and coupling with a compound of formula (VIII)



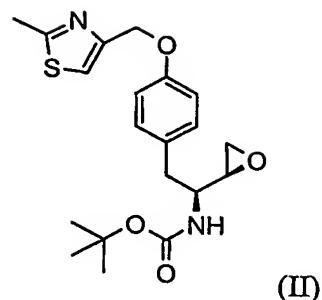
10 to form a compound of formula (I).

7. A process for the preparation of a compound of formula (I)

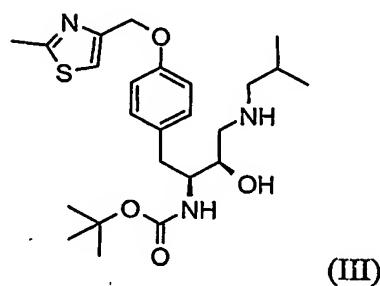


comprising :

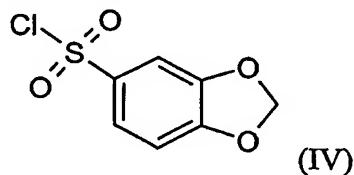
15 (a) treating a compound of formula (II)



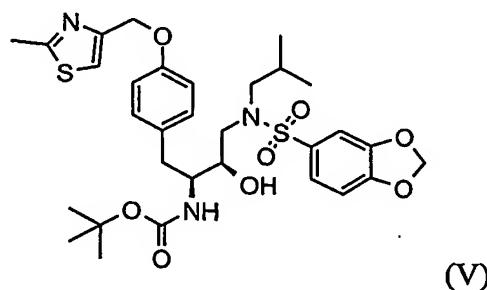
with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)



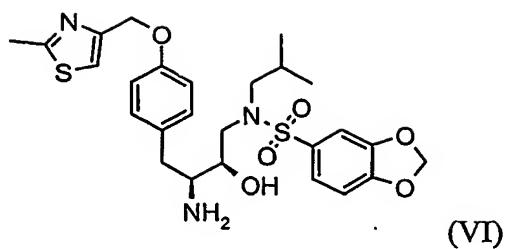
5 (b) treating a compound of formula (III) with a compound of formula (IV)



in the presence of an aqueous base to form a compound of formula (V)

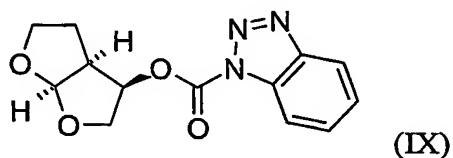


(c) deprotecting a compound of formula (V) to form a compound of formula (VI)



(VI)

(e) coupling a compound of formula (VI) with a compound of formula (IX)



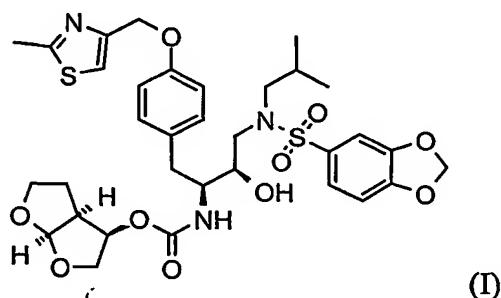
5

to yield a compound of formula (I).

10. A process for the preparation of a compound of formula (I) comprising steps (a), (b),
 10 (c) and (d) according to claim 8 wherein steps (a) and (b) are combined in a one-pot reaction
 to yield a compound of formula (V) which is isolated and in which steps (c) and (d) are
 combined in a one-pot reaction to yield a compound of formula (I).

11. A process for the preparation of a compound of formula (I)

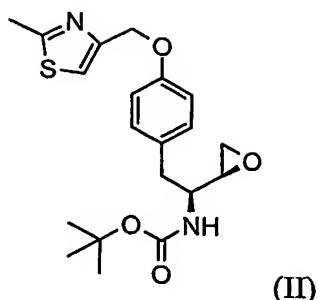
15



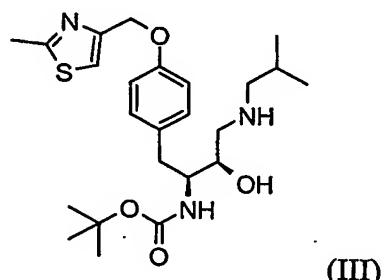
(I)

comprising :

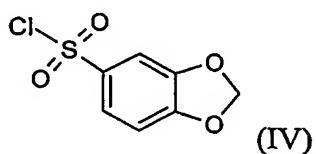
(a) treating a compound of formula (II)



with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)

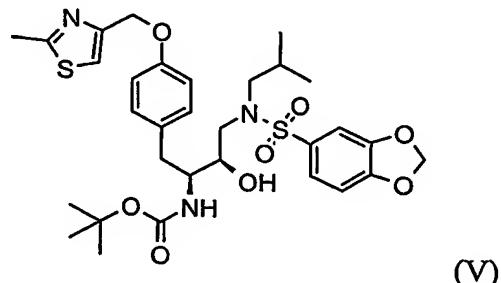


5 (b) treating a compound of formula (III) with a compound of formula (IV)

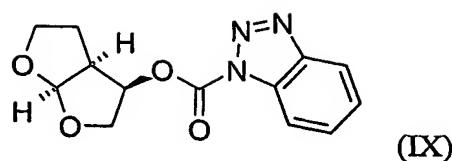


in the presence of an aqueous base to form a compound of formula (V)

10



(c) deprotecting a compound of formula (V) and coupling with a compound of formula (IX)



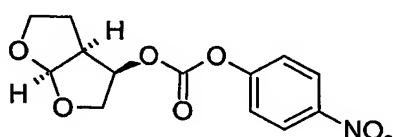
to form a compound of formula (I).

12. A process according to any of claims 1 - 11 wherein the alcohol-containing solvent is
5 acetonitrile-methanol.

13. A process according to any of claims 1 - 11 wherein the aqueous base is sodium bicarbonate.

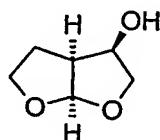
10 14. A process according to any of claims 1 - 11 wherein step (b) is performed in the presence of non-aqueous base.

15. A process for the preparation of (3*R*,3a*S*,6a*R*)-hexahydrofuro[2,3-*b*]furan-3-yl 4-nitrophenyl carbonate of the formula



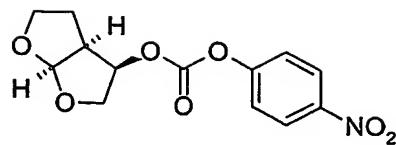
15

comprising reacting (3*S*,3a*R*,6a*S*)-hexahydrofuro[2,3-*b*]furan-3-ol) of the formula



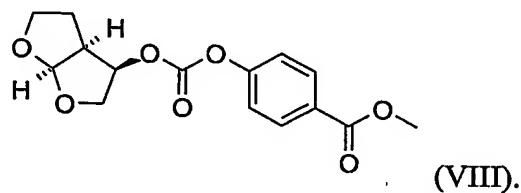
20 with 4-nitrophenyl chloroformate in a suitable solvent to form (3*R*,3a*S*,6a*R*)-hexahydrofuro[2,3-*b*]furan-3-yl 4-nitrophenyl carbonate.

16. (3*R*,3a*S*,6a*R*)-hexahydrofuro[2,3-*b*]furan-3-yl 4-nitrophenyl carbonate of the formula



made by the process according to claim 15.

5 17. A compound of formula (VIII)



18. A compound of formula (IX)

10

